Applicants: Eric J. Hoekstra and Kenneth L. Schierbeek

For : DIGITAL ELECTROCHROMIC MIRROR SYSTEM

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Applicants wish to amend the Abstract of the Disclosure as follows:

A vehicular electrochromic rearview mirror system includes an interior electrochromic rearview mirror assembly and at least one exterior electrochromic rearview mirror assembly. Each mirror assembly includes an electrochromic reflective element that assumes a partial reflectance level in response to a signal applied thereto. A drive circuit applies a drive signal to each of the electrochromic reflective elements. The drive circuit may include a digital controller, a master drive circuit responsive to the digital controller to apply a first drive signal to one of the electrochromic reflective elements and a slave drive circuit responsive to the digital controller to apply a second drive signal to a second of the electrochromic reflective elements. The second drive signal may be derived from the first drive signal. The drive circuit may include a digital controller and a switching power supply controlled by the digital controller to produce a drive signal. A vehicular rearview mirror system includes at least one variable reflectivity rearview mirror assembly including a reflective element having a reflectance level that is variable in response to a signal applied thereto. A drive circuit applies a drive signal to the reflective element. The drive circuit may include a digital controller and a switching power supply controlled by the digital controller. The switching power supply may include a stepdown converter. The reflective element may be an electrochromic mirror element. The drive circuit may avoid placing the electrochromic reflective element in an over-voltage condition during normal operating conditions of the drive circuit.